

CLAIMS

WHAT IS CLAIMED IS:

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A method for binding of a workflow engine to a data model containing data objects associated with a plurality of resources, for a workflow request having a first message type in a computer system, said method comprising the steps of:

updating said workflow request with pre-process workflow data;

transforming said updated workflow request from first message type to a second message type supported by said workflow engine;

processing said updated workflow request to update said plurality of resources in said computer system; and,

updating said data objects of said data model associated with updated said plurality of resources.

2. The method of claim 1, wherein the step of updating said workflow request further comprises:

determining a plurality of request types associated with said workflow request; and
resolving said plurality of request types based on said data objects of said data model.

3. The method of claim 2 wherein said step of resolving further comprises:

matching logical operations associated with said plurality of request types with corresponding said data objects identified in said data model; and,

substituting corresponding said data objects representative of said pre-process workflow data into said workflow request.

4. The method of claim 3, wherein the step of resolving further comprises traversing a search hierarchy including said workflow request, a device model and a defaults objects.

5. The method of claim 1 wherein said step of processing said updated workflow request further comprises a workflow engine.

6. The method of claim 5 wherein the step of updating said data model further comprises:
 sending outcome data in notification of said workflow processed from said workflow engine to a post workflow interceptor;
 matching said outcome data in said notification with corresponding data objects in said data model by said post-workflow interceptor; and
 updating of said data objects in said data model with said outcome data by said post-workflow interceptor to synchronize said data model with said plurality of resources of said computer system.

7. A computer system for binding of a workflow engine to a data model containing data objects associated with a plurality of resources for a workflow request having a first message type in a computer system, said computer system comprising:

 first updating means to update said workflow request with pre-process workflow data;

 transforming means to transform said updated workflow request from first message type to a second message type supported by said workflow engine;

 processing means to process said updated workflow request to update said plurality of resources in said computer system; and,

 second updating means to update said data objects of said data model associated with updated said plurality of resources.

8. The system of claim 7, wherein said first update means further comprises:

determining means to determine a plurality of request types associated with said workflow request; and

resolving means to resolve said plurality of request types with said data model.

9. The system of claim 8, wherein said resolving means further comprises:

matching means to match logical operations associated with said plurality of request types with corresponding data objects in said data model; and,

substitution means for substituting said corresponding data objects representative of pre-process workflow into said workflow request.

10. The system of claim 9, wherein said resolving means further comprises: means for traversing a search hierarchy of objects including said workflow request, a device model and a defaults object.

11. The system of claim 10 wherein said processing means further comprises a workflow engine.

12. The system of claim 11 wherein said second update means further comprises:

sending means to send outcome notification of said workflow processing from said deployment engine to a post workflow interceptor;

match means for matching results of said workflow request contained in said outcome notification with corresponding said data objects in said data model by said post-workflow interceptor; and

synchronize means for updating said data model with said match results by said post-workflow interceptor to synchronize said data model with said plurality of resources of said computer system.

13. A computer program product having a computer readable medium tangibly embodying computer readable program code for instructing a computer to perform the method of any of claims 1 to 6.

14. A signal bearing medium having a computer readable signal tangibly embodying computer readable program code for instructing a computer to perform the method of any of claims 1 to 6.

15. A computer program product having a computer readable medium tangibly embodying computer readable program code for instructing a computer to perform the means of any of claims 7 to 12.

16. A signal bearing medium having a computer readable signal tangibly embodying computer readable program code for instructing a computer to perform the means of any of claims 7 to 12.